

0590

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/079, 134
Source: 0 | PE |
Date Processed by STIC: 3 | 5 | 02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- Hand Carry directly to:
 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

 Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/079, 134
ATTN: NEW RULES CASE	S: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10 V Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) All missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

OTPE



Does Not Comply Corrected Diskatta Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/079,134

DATE: 03/05/2002

TIME: 14:23:06

Input Set: A:\10014010.ST25.txt
Output Set: N:\CRF3\03052002\J079134.raw

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

sequences for similar errors. 3 <110> APPLICANT: Nikiforov, Theo T. 5 <120> TITLE OF INVENTION: Methods and Systems for Identifying Nucleotides by Primer Extension 7 <130> FILE REFERENCE: 100/14010 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/079,134 C--> 9 <141> CURRENT FILING DATE: 2002-02-20 9 <150> PRIOR APPLICATION NUMBER: 60/270,667 10 <151> PRIOR FILING DATE: 2001-02-22 12 <160> NUMBER OF SEQ ID NOS: 12 14 <170> SOFTWARE: PatentIn version 3.1 16 <210> SEQ ID NO: 1 17 <211> LENGTH: 22 o invalid response, see error summary sheet items 10+11
re of must also explain genetic source in 22237 18 <212> TYPE: DNA 19 <213> ORGANISM: Synthetic 21 <220> FEATURE: 22 <221> NAME/KEY: misc_feature 23 <223> OTHER INFORMATION: Fluorescein labeled thymidine residue 26 <220> FEATURE: 27 <221> NAME/KEY: misc_feature 28 <222> LOCATION: (22)..(22) 29 <223> OTHER INFORMATION: Fluorescein labeled thymidine residue 32 <400> SEQUENCE: 1 W--> 33 ctgccattat gttaggcatt an 22 36 <210> SEQ ID NO: 2 37 <211> LENGTH: 22 Some error 38 <212> TYPE: DNA 39 <213> ORGANISM: \$ynthetic 41 <220> FEATURE: 42 <221> NAME/KEY: misc_feature 43 <222> LOCATION: (22)..(22) 44 <223> OTHER INFORMATION: Fluorescein labeled cytosine residue 47 <400> SEQUENCE: 2 W--> 48 ctgccattat gttaggcatt an 22 51 <210> SEQ ID NO: 3 52 <211> LENGTH: 22 Some errors 53 <212> TYPE: DNA 54 <213> ORGANISM: Synthetic 56 <220> FEATURE: 57 <221> NAME/KEY: misc_feature 58 <222> LOCATION: (22)..(22) 59 <223> OTHER INFORMATION: fluorescein labeled thymidine residue 62 <400> SEQUENCE: 3 W--> 63 aggacttcca cgtggaccag gn 22 66 <210> SEQ ID NO: 4



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RAW SEQUENCE LISTING PATENT APPLICATION: US/10/079,134

DATE: 03/05/2002 TIME: 14:23:06

Input Set : A:\10014010.ST25.txt

Output Set: N:\CRF3\03052002\J079134.raw

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     69 <213> ORGANISM (Synthetic
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                                        Some emon
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     96 <210> SEQ ID NO: 6
     97 <211> LENGTH: 30
                                        Some ever)
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     99 <213> ORGANISM: Synthetic
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     105 <210> SEQ ID NO: 7
     106 <211> LENGTH: 31
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     110 <400> SEQUENCE: 7
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     111 acggtggtcg cctggtccac gtggaagtcc t
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     136 <212> TYPE: DNA
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DATE: 03/05/2002 TIME: 14:23:06

PATENT APPLICATION: US/10/079,134

Input Set : A:\10014010.ST25.txt

Output Set: N:\CRF3\03052002\J079134.raw

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146 <	<211> LENGTH: 21	
147 <	(211> LENGTH: 21 (212> TYPE: DNA (213> ORGANISM: (Synthetic) Some	
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150 <	(400> SEQUENCE: 11	
151 t	aagtgetta etetttgeaa e	21
154 <	(210> SEQ ID NO: 12	
155 <	(211> LENGTH: 21	
156 <	2212> TYPE: DNA 2213> ORGANISM: (Synthetic)	
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159 <	400> SEQUENCE: 12	
160 c	gcaccacta gtgccaatgg c	21

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/079,134

DATE: 03/05/2002 TIME: 14:23:07

Input Set : A:\10014010.ST25.txt

Output Set: N:\CRF3\03052002\J079134.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 L:63 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4